

Cheng Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1635533/publications.pdf>

Version: 2024-02-01

18
papers

382
citations

758635

12
h-index

887659

17
g-index

18
all docs

18
docs citations

18
times ranked

240
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Neural Fault-Tolerant Control for USV With the Output-Based Triggering Approach. IEEE Transactions on Vehicular Technology, 2022, 71, 6948-6957.	3.9	10
2	Event-triggered-based nonlinear model predictive control for trajectory tracking of underactuated ship with multi-obstacle avoidance. Ocean Engineering, 2022, 253, 111278.	1.9	17
3	COLREGs-Constrained Adaptive Fuzzy Event-Triggered Control for Underactuated Surface Vessels With the Actuator Failures. IEEE Transactions on Fuzzy Systems, 2021, 29, 3822-3832.	6.5	29
4	An efficient ship autopilot design using observer-based model predictive control. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2021, 235, 203-212.	0.3	11
5	Vortical structures and wakes of a sphere in homogeneous and density stratified fluid. Journal of Hydrodynamics, 2021, 33, 207-215.	1.3	22
6	Numerical study of the shock wave and pressure induced by single bubble collapse near planar solid wall. Physics of Fluids, 2021, 33, .	1.6	41
7	Distributed guidance-based formation control of marine vehicles under switching topology. Applied Ocean Research, 2021, 106, 102465.	1.8	15
8	Synchronization Control of Dynamic Positioning Ships Using Model Predictive Control. Journal of Marine Science and Engineering, 2021, 9, 1239.	1.2	9
9	Anti-windup neural network-sliding mode control for dynamic positioning vessels. , 2021, , .		1
10	Computationally efficient MPC for path following of underactuated marine vessels using projection neural network. Neural Computing and Applications, 2020, 32, 7455-7464.	3.2	25
11	Model predictive control for path following and roll stabilization of marine vessels based on neurodynamic optimization. Ocean Engineering, 2020, 217, 107524.	1.9	32
12	Neural-Network-Based Distributed Formation Tracking Control of Marine Vessels With Heterogeneous Hydrodynamics. IEEE Access, 2019, 7, 150141-150149.	2.6	4
13	Adaptive NN-DSC control design for path following of underactuated surface vessels with input saturation. Neurocomputing, 2017, 267, 466-474.	3.5	67
14	Integrated Line of Sight and Model Predictive Control for Path Following and Roll Motion Control Using Rudder. Journal of Ship Research, 2015, 59, 99-112.	0.5	21
15	Path following of underactuated surface vessels with fin roll reduction based on neural network and hierarchical sliding mode technique. Neural Computing and Applications, 2015, 26, 1525-1535.	3.2	22
16	Trajectory tracking of underactuated surface vessels based on neural network and hierarchical sliding mode. Journal of Marine Science and Technology, 2015, 20, 322-330.	1.3	34
17	Integrated Line of Sight and Model Predictive Control for Path Following and Roll Motion Control Using Rudder. Journal of Ship Research, 2015, 59, 99-112.	0.5	19
18	Adaptive robust sliding mode control for ship straight-line tracking in random waves. Journal of Shanghai Jiaotong University (Science), 2013, 18, 549-553.	0.5	3